CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/AEW/W.No.08/CSR.2/757a/CUBE/2014-15 23.02.2015

TEST REPORT ON CONCRETE CUBES

*** Client** : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

*** Agency** : **M/s. Annapoorneshwari Engineering Works,** Bangalore.

*** Name of the work** : Providing Cement Concrete to Roads at Kodigehalli Village surroundings in Ward No.08, Kodigehalli Sub Division, BBMP, Bangalore.

*** Reference** : AEE/KH/143/1/2014-15 Dated: 05.02.2015

*** Sample ID** : Pavement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{20}

Compressive Strength as o : 7^{th} day

AE-8

Sample Received on : 23.02.2015

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.02.2015	23.02.2015	8.382	345.2	15.34
2	16.02.2015	23.02.2015	8.267	328.5	14.60
3	16.02.2015	23.02.2015	8.479	356.7	15.85

Note:

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2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

****

VISHWANATH .C
Quality Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

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T-2377

Job No.: CTCE/BBMP/AEW/W.No.08/CSR.2/757a/CUBE/2014-15 17.02.2015

TEST REPORT ON CONCRETE CUBES

*** Client** : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

*** Agency** : **M/s. Annapoorneshwari Engineering Works,** Bangalore.

*** Name of the work** : Providing Cement Concrete to Roads at Kodigehalli Village surroundings in Ward No.08, Kodigehalli Sub Division, BBMP, Bangalore.

*** Reference** : AEE/KH/143/1/2014-15 Dated: 05.02.2015

*** Sample ID** : Drain Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{20}

Compressive Strength as o : 7^{th} day

Sample Received on : 17.02.2015

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.02.2015	17.02.2015	8.135	352.3	15.66
2	10.02.2015	17.02.2015	8.260	360.2	16.01
3	10.02.2015	17.02.2015	8.392	365.3	16.24

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E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

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Job No.: CTCE/BBMP/AEW/W.No.08/CSR.2/757a/CUBE/2014-15 23.02.2015

TEST REPORT ON CONCRETE CUBES

*** Client** : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

*** Agency** : **M/s. Annapoorneshwari Engineering Works,** Bangalore.

*** Name of the work** : Providing Cement Concrete to Roads at Kodigehalli Village surroundings in Ward No.08, Kodigehalli Sub Division, BBMP, Bangalore.

*** Reference** : AEE/KH/143/1/2014-15 Dated: 05.02.2015

*** Sample ID** : Pavement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{20}

Compressive Strength as o : 7^{th} day

AE-8

Sample Received on : 23.02.2015

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.02.2015	23.02.2015	8.120	325.6	14.47
2	16.02.2015	23.02.2015	8.265	339.6	15.09
3	16.02.2015	23.02.2015	8.390	346.3	15.39

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Quality Manager

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Tele Fax : 23223227, Website : www.civiltechconsultants.com
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TEST REPORT ON CONCRETE CUBES

*** Client** : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

*** Agency** : **M/s. Annapoorneshwari Engineering Works,** Bangalore.

*** Name of the work** : Providing Cement Concrete to Roads at Kodigehalli Village surroundings in Ward No.08, Kodigehalli Sub Division, BBMP, Bangalore.

*** Reference** : AEE/KH/143/1/2014-15 Dated: 05.02.2015

*** Sample ID** : Pavement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{20}

Compressive Strength as o : 7^{th} day

AE-8

Sample Received on : 23.02.2015

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.02.2015	23.02.2015	8.199	350.2	15.56
2	16.02.2015	23.02.2015	8.230	360.2	16.01
3	16.02.2015	23.02.2015	8.348	372.3	16.55

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T-2377

Job No.: CTCE/BBMP/AEW/W.No.08/CSR.2/757a/CUBE/2014-15 24.02.2015

TEST REPORT ON CONCRETE CUBES

*** Client** : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

*** Agency** : **M/s. Annapoorneshwari Engineering Works,** Bangalore.

*** Name of the work** : Providing Cement Concrete to Roads at Kodigehalli Village surroundings in Ward No.08, Kodigehalli Sub Division, BBMP, Bangalore.

*** Reference** : AEE/KH/143/1/2014-15 Dated: 05.02.2015

*** Sample ID** : Pavement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{20}

Compressive Strength as o : 7^{th} day

AE-B

Sample Received on : 24.02.2015

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.02.2015	24.02.2015	8.135	342.3	15.21
2	17.02.2015	24.02.2015	8.260	350.2	15.56
3	17.02.2015	24.02.2015	8.390	369.3	16.41

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Quality Manager

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E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

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Job No.: CTCE/BBMP/AEW/W.No.08/CSR.2/757a/CUBE/2014-15 24.02.2015

TEST REPORT ON CONCRETE CUBES

*** Client** : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

*** Agency** : **M/s. Annapoorneshwari Engineering Works,** Bangalore.

*** Name of the work** : Providing Cement Concrete to Roads at Kodigehalli Village surroundings in Ward No.08, Kodigehalli Sub Division, BBMP, Bangalore.

*** Reference** : AEE/KH/143/1/2014-15 Dated: 05.02.2015

*** Sample ID** : Pavement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{20}

Compressive Strength as o : 7^{th} day

Sample Received on : 24.02.2015

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.02.2015	24.02.2015	8.485	379.3	16.86
2	17.02.2015	24.02.2015	8.269	352.6	15.67
3	17.02.2015	24.02.2015	8.336	360.5	16.02

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VISHWANATH .C
Quality Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

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JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/AEW/W.No.08/STEEL/2014-15 06.02.2015

TEST REPORT ON REINFORCEMENT STEEL

Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency	:	**M/s. Annapoorneshwari Engineering Works,** Bangalore.
Name of the Work	:	Providing Cement Concrete to Roads at Kodigehalli Village surroundings in Ward No.08, Kodigehalli Sub Division, BBMP, Bangalore.
Reference	:	AEE/KH/143/1/2014-15 Dated: 05.02.2015
Date of Test	:	06.02.2015
Technical Reference	:	IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm^2	Tensile strength (Ultimate stress) N/mm^2	Elongation percent gauge length		
1	10	0.62	515	558	13.25	O.K	O.K

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M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

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JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/AEW/W.No.08/STEEL/2014-15 06.02.2015

TEST REPORT ON REINFORCEMENT STEEL

Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency	:	**M/s. Annapoorneshwari Engineering Works,** Bangalore.
Name of the Work	:	Providing Cement Concrete to Roads at Kodigehalli Village surroundings in Ward No.08, Kodigehalli Sub Division, BBMP, Bangalore.
Reference	:	AEE/KH/143/1/2014-15 Dated: 05.02.2015
Date of Test	:	06.02.2015
Technical Reference	:	IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm^2	Tensile strength (Ultimate stress) N/mm^2	Elongation percent gauge length		
1	20	2.47	522	565	13.80	O.K	O.K

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Civil-Tech Consultants & Engineers Bangalore

M/s. Civil-Tech Consultants & Engineers

23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

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